

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Proposed Claim Amendments:

1. (Previously Presented) A signal distribution system comprising:

transmission means of respectively allocating different frequencies to a plurality of signals and of transmitting said signals by utilizing the allocated frequencies;

communication paths for transmitting said plurality of signals to be transmitted; and

a plurality of reception means of receiving said transmitted plurality of signals in which the different frequencies are allocated based on predetermined corresponding relationships,

wherein said corresponding relationships are between each of said different frequencies and each of said reception means, said corresponding relationships are predetermined based on substantial distances between said transmission means and each of said reception means along said communication paths.

2. (Previously Presented) The signal distribution system according to Claim 1, wherein

said predetermined corresponding relationships are based on a relationship of a smaller value of the distance, the higher the value of the frequency allocated to the respective reception means and vice versa,

said plurality of reception means respectively have a plurality of terminals, and said communication paths are coaxial cables.

3. (Previously Presented) A signal distribution system according to Claim 2, wherein contents of said signals are determined based on requests from said terminals and the determined signals are transmitted on said communication paths by

using the frequencies corresponding to the reception means with the terminals that have sent said requirements.

4. (Previously Presented) A signal distribution system according to Claim 3, wherein

said plurality of signals are a plurality of quadrature amplitude modulation signals;

said reception means further have a plurality of region distribution boxes, respectively, which are connected according to a distance from said transmission means;

said terminals are seat electronics boxes provided in airplanes and

said transmission means is a quadrature amplitude modulation unit which can frequency multiplex said plurality of quadrature amplitude modulation signals.

5. (Previously Presented) A signal distribution system according to Claim 4, wherein said quadrature amplitude modulation unit selects a quadrature modulation system having a plurality of a number of bits to be encoded for said signal received by one of the region distribution boxes, wherein the smaller the substantial distance between said transmission means and said reception means along said communication path is the higher said number of bits is, and transmission of said signal is carried out by utilizing the selected modulation system.

6. (Previously Presented) A transmission device for respectively allocating different frequencies to a plurality of signals and for transmitting said plurality of signals to a plurality of reception means of receiving signals, in which the different frequencies are allocated based on predetermined corresponding relationships, via communication paths by utilizing the allocated frequencies,

wherein said corresponding relationships are between each of said different frequencies and each of said reception means, said corresponding relationships are predetermined based on substantial distances between said transmission device and each of said reception means along said communication paths.

7. (Currently Amended) A reception device for receiving a signal in which a frequency is allocated based on a predetermined corresponding relationship from among a plurality of signals transmitted, via a communication path, from a transmission means for respectively allocating different frequencies to said plurality of signals and for transmitting said signals by utilizing the allocated frequencies,

wherein said corresponding relationship is between said frequency and said reception device, the corresponding relationship is predetermined based on a substantial distance between said transmission means and said reception device along said communication path.

8. (Currently Amended) A signal distribution system comprising:

a transmission means of selecting modulation systems having a plurality of bits to be encoded based on predetermined criteria for a plurality of signals and of transmitting said plurality of signals using by utilizing the selected modulation systems;

communication paths for transmitting said plurality of signals to be transmitted; and

a plurality of reception means, each associated with a respective transmitted signal, of receiving the allocated signals from among said transmitted plurality of signals.

wherein the smaller a substantial distance between said transmission means and said plurality of reception means along said communication paths is the higher the number of bits is.

9. (Currently Amended) A signal distribution system according to Claim 8, wherein:

said plurality of signals are a plurality of quadrature amplitude modulation signals;

said reception means further have a plurality of seat electronics boxes provided in airplanes and a plurality of region distribution boxes, respectively, which are connected according to a distance from said transmission means; and

said transmission means is a quadrature amplitude modulation unit which can frequency multiplex said plurality of quadrature amplitude modulation signals and is connected to the plurality of region distribution boxes according to an increasing distance; and

~~the selection of modulation systems based on said predetermined criteria is to select a quadrature modulation system having a plurality of a number of bits to be encoded for a signal allocated to a reception means, wherein the smaller a substantial distance between said transmission means and said reception means along said communication paths is the higher the number of bits is.~~

10. (Previously Presented) A signal distribution method comprising the steps of:

allocating respectively different frequencies to a plurality of signals on a transmission side;

transmitting said plurality of signals to be transmitted by utilizing the allocated frequencies via communication paths; and

receiving signals in which the different frequencies are allocated based on predetermined corresponding relationships,

wherein said corresponding relationships are between each of said frequencies and each of said reception sides, said corresponding relationships are predetermined based on substantial distances between said transmission side and each of said reception sides along said communication paths.

11. (Previously Presented) A transmission method for respectively allocating different frequencies to a plurality of signals on a transmission side and for transmitting said plurality of signals to a plurality of reception sides of receiving signals, in which the different frequencies are allocated based on predetermined

corresponding relationships, via communication paths by utilizing the allocated frequencies,

wherein said corresponding relationships are between each of said frequencies and each of said reception sides, said corresponding relationships are predetermined based on substantial distances between said transmission side and each of said reception sides along said communication paths.

12. (Previously Presented) A reception method for receiving a signal in which a frequency is allocated based on a predetermined corresponding relationship from among a plurality of signals transmitted, via a communication path, from a transmission side for respectively allocating different frequencies to said plurality of signals and for transmitting said signals by utilizing the allocated frequencies,

wherein said corresponding relationship is between said frequency and a reception side, said corresponding relationship is predetermined based on a substantial distance between said transmission side and said reception side along said communication path.

13. (Currently Amended) A signal distribution method comprising the steps of:

selecting modulation systems having a plurality of bits to be encoded based on predetermined criteria for a plurality of signals on a transmission side;

transmitting said plurality of signals by utilizing the selected modulation systems via communication paths ~~for transmitting said plurality of signals to be transmitted~~; and

receiving allocated signals from among said transmitted plurality of signals ~~on among a plurality of reception sides, each of the plurality of reception sides associated with a respective transmitted signal,~~

wherein the smaller a substantial distance between said transmission side and each of said plurality of reception sides along said communication paths is, the higher the number of bits is.

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14. (Previously Presented) A computer readable medium for holding a program or data that allow a computer to carry out the functions of any one of claims 1-9, wherein the medium is processed by a computer.

15. (Previously Presented) An information assembly that allow a computer to carry out the functions of any one of claims 1-9, wherein the information assembly is a program or data.